WHAT IS CLAIMED IS:

- 1. A composition which modulates the activity of a p11 protein and effects a change in the level of plasminogen activation by a cell.
- 2. The composition of claim 1, wherein the composition is selected from the group consisting of antisense p11 polynucleotide, sense p11 polynucleotide, and small interfering RNA specific to p11.
- 3. The composition of claim 1 wherein (a) the composition comprises a polynucleotide, (b) the composition reduces the activity of a p11 protein by inhibiting the production of the p11 protein by the cell, and (c) the level of plasminogen activation is reduced by the cell.
- 4. The composition of claim 3 wherein the polynucleotide is an antisense p11 polynucleotide.
- 5. The composition of claim 4 wherein the antisense p11 polynucleotide comprises a sequence as set forth in any one of SEQ ID NO:13, SEQ ID NO:14, SEQ ID NO:15, SEQ ID NO:16, SEQ ID NO:145, SEQ ID NO:146, SEQ ID NO:147, SEQ ID NO:148, SEQ ID NO:149, SEQ ID NO:150, SEQ ID NO:151, SEQ ID NO:152, SEQ ID NO:153, SEQ ID NO:154, SEQ ID NO:155, SEQ ID NO:156, SEQ ID NO:157, SEQ ID NO:158, SEQ ID NO:159 and SEQ ID NO:160.
- 6. The composition of claim 5 wherein the antisense p11 polynucleotide consists essentially of a sequence as set forth in any one of SEQ ID NO:13, SEQ ID NO:14, SEQ ID NO:15, SEQ ID NO:16, SEQ ID NO:145, SEQ ID NO:146, SEQ ID NO:147, SEQ ID NO:148, SEQ ID NO:149, SEQ ID NO:150, SEQ ID NO:151, SEQ ID NO:152, SEQ ID NO:153, SEQ ID NO:154, SEQ ID NO:155, SEQ ID NO:156, SEQ ID NO:157, SEQ ID NO:158, SEQ ID NO:159 and SEQ ID NO:160.
- 7. The composition of claim 6 wherein the antisense p11 polynucleotide comprises a nucleic acid of SEQ ID NO:13, SEQ ID NO:14 or SEQ ID NO:15.
- 8. The composition of claim 7 wherein the antisense p11 polynucleotide consists essentially of a nucleic acid of SEQ ID NO:16.

- 9. The composition of claim 3 wherein the polynucleotide is a small interfering RNA ("siRNA").
- 10. The composition of claim 9 wherein the siRNA comprises a sequence as set forth in any one of SEQ ID NO:18 through SEQ ID NO:144.
- 11. The composition of claim 10 wherein the siRNA consists essentially of a sequence as set forth in any one of SEQ ID NO:18 through SEQ ID NO:22 and SEQ ID NO:24 through SEQ ID NO:144.
- 12. The composition of claim 10 wherein the siRNA comprises a sequence set forth in SEQ ID NO:22.
- 13. The composition of claim 12 wherein the siRNA consists essentially of the sequences set forth in SEQ ID NO:22, SEQ ID NO:23 and SEQ ID NO:24.
- 14. The composition of claim 1 wherein (a) the composition comprises a polynucleotide, (b) the composition increases the activity of a p11 protein by increasing the production of the p11 protein by the cell, and (c) the level of plasminogen activation is increased by the cell.
- 15. The composition of claim 14 wherein the composition is a sense p11 polynucleotide.
- 16. The composition of claim 15 wherein the sense p11 polynucleotide comprises a sequence as set forth in SEQ ID NO:17.
- 17. The composition of any one of claim 1 wherein the cell is a cancer cell.
- 18. The composition of claim 17 wherein the cell is selected from the group consisting of a HT1080 fibrosarcoma cell, a LNCaP prostate cancer cell and a CCL-222 colorectal adenocarcinoma cell.
- 19. A method for modulating the activity of p11 comprising administering to a cell an effective amount of a composition, which modulates the activity of a p11 protein and effects a change in the level of plasminogen activation by a cell, such that the level of plasminogen activation is changed relative to an untreated cell.
- 20. The method of claim 19 wherein the composition comprises a polynucleotide comprising a sequence as set forth in any one of SEQ ID NO:13-160.

- 21. The method of claim 19 wherein the cell is a cancer cell.
- 22. The method of claim 20 wherein the cell is selected from the group consisting of a HT1080 fibrosarcoma cell, a LNCaP prostate cancer cell and a CCL-222 colorectal adenocarcinoma cell.
- 23. A method of reducing the development of cancer in a patient comprising administering to a cancer cell in a patient a therapeutically effective amount of a composition, which modulates the activity of a p11 protein and effects a change in the level of plasminogen activation by a cell, such that the level of plasminogen activation is changed relative to an untreated cell.
- 24. The method of claim 23 wherein the composition comprises a polynucleotide comprising a sequence as set forth in any one of SEQ ID NO:13-160.
- 25. The method of claim 23 wherein the patient is a mouse.
- 26. The method of claim 23 wherein the cancer cell is a human cancer cell.
- 27. The method of claim 23 wherein the cancer cell is selected from the group consisting of a HT1080 fibrosarcoma cell, a LNCaP prostate cancer cell and a CCL-222 colorectal adenocarcinoma cell.
- 28. A method of inhibiting the growth of tumors in a patient comprising administering to a cancer cell in a patient a therapeutically effective amount of a composition, which modulates the activity of a p11 protein and effects a change in the level of plasminogen activation by a cell, such that the level of plasminogen activation is changed relative to an untreated cell.
- 29. The method of claim 28 wherein the composition comprises a polynucleotide comprising a sequence as set forth in any one of SEQ ID NO:13-160.
- 30. The method of claim 28 wherein the patient is a mouse.
- 31. The method of claim 28 wherein the cancer cell is a human cancer cell.
- 32. The method of claim 28 wherein the cancer cell is selected from the group consisting of a HT1080 fibrosarcoma cell, a LNCaP prostate cancer cell and a CCL-222 colorectal adenocarcinoma cell.

- 33. A method of inhibiting tumor cell invasion comprising administering to said tumor cell a composition, which modulates the activity of a p11 protein and effects a change in the level of plasminogen activation by a cell, such that the level of plasminogen activation is changed relative to an untreated cell.
- 34. The method of claim 33 wherein the composition comprises a polynucleotide comprising a sequence as set forth in any one of SEQ ID NO:13-160.
- 35. The method of claim 33 wherein the tumor cell is a human cancer cell.
- 36. The method of claim 33 wherein the tumor cell is selected from the group consisting of a HT1080 fibrosarcoma cell, a LNCaP prostate cancer cell and a CCL-222 colorectal adenocarcinoma cell.
- 37. A method of making a clonal cell line comprising isolating a cell, then characterizing the activity of a protein produced by the cell or clonal progeny of the cell, wherein the protein is involved in plasminogen activation.
- 38. The method of claim 37 wherein the protein is selected from the group consisting of tPA, uPA, uPAR, PAI-1, PAI-2 and p11.
- 39. The method of claim 38 wherein the protein is p11.
- 40. The method of claims 37 wherein the cell is a cancer cell.
- 41. The method of claim 40 wherein the cell is selected from the group consisting of a HT1080 fibrosarcoma cell, a LNCaP prostate cancer cell and a CCL-222 colorectal adenocarcinoma cell.
- 42. A clonal cell line useful in the identification of compositions that modulate p11 activity, wherein the clonal cell line is made according to the method of claim 37.
- 43. A method of identifying a composition that modulates p11 activity comprising administering the composition to a clonal cell line made according to the method of claim 37, determining the change in p11 activity of a cell of the clonal cell line relative to a cell of a clonal cell line that had not received the composition, and identifying the composition that produces a change in p11 activity.

44.	The method of claim 43 wherein the change in p11 activity is a change in the level of	f
	plasminogen activation activity.	